



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

O'CONNOR, Stephen D., et al.

Group Art Unit: 1723

Title: **MULTI-STREAM MICROFLUIDIC  
MIXERS**

Examiner: SOOHOO, Tony Glen

Attorney Docket: 270/219

Serial Number: 10/046,071

Filed: January 11, 2002

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicants is not to be construed that any such patent, publication, or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicants as such.

Respectfully submitted,

Vincent K. Gustafson  
Reg. No. 46,182

Dated: July 30, 2003



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PATENT TRADEMARK OFFICE

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

## APPLICANT:

O'CONNOR, Stephen D., et al.

## FILING DATE:

January 11, 2002

## GROUP:

1723

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A1	2003/0123322	7/3/03	Chung, et al.	366	165.1	12/31/01
	A2	4,946,795	8/7/90	Gibbons, et al.	436	179	8/18/89
	A3						
	A4						
	A5						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION?	
							YES	NO
	B1	WO 01/78893	10/25/01	WIPO	B01L			
	B2	EP 1 123 734 A2	8/16/01	EPO	B01J	19/00		
	B3	WO 01/025138	4/12/01	WIPO	B81B	1/00		
	B4							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL		
	C1	Groisman, et al., <i>Microfluidic Memory and Control Devices</i> , "Science Magazine," Vol. 300, 9 May 2003, pp. 955-958.
	C2	Ehrfeld, et al., <i>Injection of Many Small Substreams of One Component into a Main Stream of Another Component</i> , "Microreactors – New Technology for Modern Chemistry," Vch. Verlagsgesellschaft MbH; 1 <sup>st</sup> edition, June 15, 2000, pp. 53-55.
	C3	
	C4	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant